

## **Hi-Lights of FM 3-06.11**

### **Chapter 1, Introduction – major content change from FM 90-10-1.**

- **New Definition of UO**
- Changes to the Categories of Urban Terrain
- **Expanded definitions of Surgical, Precision and High Intensity conditions of UO.**
- Introduction of Full Spectrum Operations and the Army urban operational concept **of Assess, Shape Dominate and Transition.**
- Discussion of the current operational environment in para 1-3, Tactical Challenges.
- Discussion of the fundamentals of UO.
- **Expanded discussion of urban battlespace.**
- Discussion of noncombatants
- **Discussion of media effects on UO.**
- Discussion of Unexploded ordnance.

### **Chapter 2, Urban Analysis – minor content change from FM 90-10-1.**

- Use of actual urban photos for figures.
- Minor changes to the discussion of urban zones, e.g. shantytowns.
- Figures that show examples of the Bn S-2 and Co Cdr's terrain analysis.
- Aperture analysis.
- Expanded discussion of the urban threat.
- Modern **urban battle analysis based Modern Experience in City Combat, 1987.**

### **Chapter 3, Urban Combat Skills - minor content change from FM 90-10-1.**

- Expanded discussion of the use of ladders.
- Expanded discussion of grenade use.
- Expanded discussion of precision room clearing techniques.
- Expanded discussion of reflexive shooting and shot placement.
- Discussion of defense against enhanced flame weapons.

### **Chapter 4, Offensive Operations - major content change from FM 90-10-1.**

- Addition of discussion focusing on the threat and CCIR (paras 4-14, 4-15).
- Explanation of the offensive framework of Assess, Shape, Dominate, and Transition.
- Addition of brigade offensive operations section to include task organization, how brigades execute the offensive framework, and brigade offensive techniques, e.g. nodal attack.
- Discussion of battalion TF task organization.
- Revised figures using actual urban terrain.
- Expanded discussion of company team task organization.
- Expansion of how a company team isolates an urban objective.
- Discussion of direct fire control.

**Chapter 5, Defensive Operations - major content change from FM 90-10-1.**

- Pictures of actual urban terrain for figures.
- Discussion of defensive framework of Assess, Shape, Dominate, Transition.
- Expanded discussion of priorities of work.
- Addition of brigade defensive techniques.
- Addition of discussion of battalion TF nodal defense.
- Expanded discussion of company team defense of key urban terrain.

**Chapter 6, Sniper and Countersniper Tactics, Techniques and Procedures - minor content change from FM 90-10-1.**

- Minor content change in the eight paragraphs that comprise the chapter.

**Chapter 7, Employment and Effects of Weapons - minor content change from FM 90-10-1.**

- Addition of definitions of loophole, mousehole, and breach hole.
- Discussion of light antiarmor weapons effects on urban targets (Table 7-10).
- Expanded discussion of hand grenade effects.
- Discussion of multipurpose antitank round (MPAT).
- Addition of photos showing common effects of urban combat.

**Chapter 8, Obstacles, Mines and Demolitions - minor content change from FM 90-10-1.**

- Minor modification of Section IV, Field Expedient Breaching of Common Urban Barriers.
- Addition of Table 8-7, Summary of breaching charges.

**Chapter 9, Employment of Attack and Assault/Cargo Helicopters – new content not previously contained in FM 90-10-1, provided by USAAVNS, Ft. Rucker, AL.**

- Role of helicopters during UO during Assess, Shape, Dominate, Transition.
- Detailed discussion of identifying friendly positions, marking locations, and acquiring targets.
- Detailed discussion of attack helicopter target engagement.
- Detailed discussion of air ground integration in the close urban fight.
- Discussion of aviation UO risk assessment.

**Chapter 10, Fires - new content not previously contained in FM 90-10-1, provided by USAFAS, Ft. Sill, OK.**

- Detailed discussion of mission support for offensive and defensive UO.
- Detailed checklists for brigade, battalion, and company FSOs.
- Discussion of meteorological and survey requirements.
- Detailed discussion of using direct fire artillery during UO.

**Chapter 11, Mobility, Countermobility, and Survivability – - new content not previously contained in FM 90-10-1, extracted from CALL Newsletter 99-16.**

- Mission analysis considerations for the S2, S3, FSO, and battalion/brigade engineer.
- Support products, e.g. engineer battlefield assessment, situation template, etc.
- Detailed engineer staff planning checklist.
- Reconnaissance and surveillance planning considerations.
- Countermobility planning considerations.
- Survivability planning considerations.

**Chapter 12, Combat Support – minor content change from FM 90-10-1.**

- Revised discussion of ADA paragraph, provided by USAADAS, Ft. Bliss, TX.
- Revised discussion of MP paragraph, provided by USAMPS/MANSCEN, Ft. Leonard Wood, MO.

**Chapter 13, Combat Service Support - major content change from FM 90-10-1, Section II, Combat Health Support provided by AMEDD, Ft. Sam Houston, TX.**

- Addition of company resupply operations.
- Load planning and management considerations.
- Discussion of other combat service support TTP.
- Detailed discussion of medical considerations for the battalion staff.
- Detailed discussion of medical considerations for the combat medic.
- Detailed discussion of medical considerations for the battalion physician's assistant and command surgeon.
- Detailed discussion of battalion aid station operations.
- Detailed precombat medical checklists.

**Chapter 14, Stability Operations and Support Operations - new content not previously contained in FM 90-10-1.**

- Discussion of planning considerations for stability operations.
- Detailed discussion of stability TTP: establish a lodgment, conduct negotiations, monitor compliance with an agreement, establish an OP, establish checkpoints, conduct area security patrols, conduct convoy escort, cordon and search.
- Discussion of planning considerations for support operations.
- Discussion of transition to combat operations.

**Appendix A, Urban Operations Under Restrictive Conditions - minor content change from FM 90-10-1.**

- Added discussion of the non-lethal capabilities set.

**Appendix B, Urban Operations Under Conditions of Limited Visibility - minor content change from FM 90-10-1.**

- Added discussion of urban environmental effects on NVDs.

- Discussion of considerations for the use of white light or an active filtered lens.

**Appendix C, Light Infantry and Armored Vehicle Tactics, Techniques, and Procedures - minor content change from FM 90-10-1.**

- Addition of input from the USAARMS, Ft. Knox, KY, transporting infantry.

**Appendix D, Information Operations - new content not previously contained in FM 90-10-1.**

- Definitions of IO.
- Elements of IO
- Related activities.
- IO and their effects on brigade UO.

**Appendix E, Coalition Operations - new content not previously contained in FM 90-10-1.**

- Detailed discussion of mission analysis.
- Detailed staff checklists.

**Appendix F, Weapons of Mass Destruction, Toxic Industrial Materials, and the Use of Obscuration - major content change from FM 90-10-1, selected input provided by the USACMS/MANSCEN, Ft. Leonard Wood, MO.**

- Added discussion of riot control agents and their use.
- Detailed discussion in Section II concerning the release of toxic industrial materials (TIM) during UO, along with appropriate photos in the figures.

**Appendix G, Intelligence Requirements Checklists for Urban Operations - new content not previously contained in FM 90-10-1, coordinated with the USAMIS, Ft. Huachuca, AZ.**

- Numerous detailed intelligence checklists on urban culture and infrastructure.

**Appendix H, Lessons Learned from Modern Urban Combat - new content not previously contained in FM 90-10-1.**

- Detailed analyses from the USAIS, USMC, and other sources on modern urban combat to include, Chechnya, Beirut, and Mogadishu.
- Discussion on general observations on urban warfare.

**Appendix I, Platoon Urban Operations Kit and Tactics, Techniques, and Procedures for Marking Buildings and Rooms - new content not previously contained in FM 90-10-1.**

- Discussion of an example platoon UO kit and its contents.
- Discussion of specific TTP on how to mark buildings and rooms.
- Illustration of the standard NATO marking SOP.

**Appendix J, Subterranean Operations - minor content change from FM 90-10-1.**

- Additional discussion of sewers.

- Modified figure of a squad subterranean reconnaissance patrol (Figure J-4).

**Appendix K, Tactics, Techniques, and Procedures for the Employment of Mortars on Urban Terrain - new content not previously contained in FM 90-10-1, extracted from The Berlin Brigade USCOB/USAB Pam 350-1, Combat in Cities Procedures, 13 Jul 84.**

- Detailed discussion of how to employ mortars on urban terrain to include target engagement, control, and mortar positions.

**Appendix L, Communications During Urban Operations - new content not previously contained in FM 90-10-1, submitted by USASIGCEN, Ft. Gordon, GA.**

- Detailed discussion of urban affects on communications, command and control, alternatives to FM radio, and potential problems and solutions.